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```

SITEPAGE.CPP          10-Jan-1996 10:12          Page 1(2)
// sitepage.cpp

#include "site.h"
#include "object.h"
#include "db/include/db.h"
#include "db/include/dbutil.h"
#include "db/include/dbutil.h"

void message(const char *s1,
sitepage*sitePage())
{
    Id = 0;
    siteId = 0;
    categorised = FALSE;
}

void sitePage::loadCategories()
{
    DWORD interestID;
    Cursor c;
    cursor_cBindSQL(C_LONG, interestID, alias(interestID));
    char sql[100] = "select interest_id from page_categories where page_id='";
    addValueSQL(id, FALSE);
    strcat(sql, id);
    strcat(sql, "' union all select interest_id from site_categories where site_id='");
    addValueSQL(siteId, FALSE);
    strcat(sql, siteId);
    strcat(sql, "'");

    if(c.fetchNext() != 0) {
        message("unapproved site: " + from);
    }
    else {
        p->addDB(key);
    }
}

extern BOOL defaultAddMode;

sitepage* sitePage::lookUpPage(Database* db, const char *from, const char *requestHdr)
{
    // from key format: sitekey/docname
    if(from == 0)
        return 0;

    if(strlen(from) == 0)
        return 0;

    const char *q = strchr(from, '/');
    if(q == 0 || strlen(q) > 15)
        return 0;

    const char key[100];
    strcpy(key, from);
    if(strlen(key) > 15)
        key[keyLength] = '\0'; // truncate to column width

    sitepage *p = new sitePage();

    Cursor c(db);
    id = 0;
    cBindSQL(C_LONG, id, siteId, 4);
    cBindSQL(C_LONG, id, siteId, 4);
    assertSQL(keyname, FALSE);
    addValueSQL(keyname, FALSE);
    c.execute();
    if(c.fetchNext() != 0) {
        message("sitekey: " + from);
        delete p;
        p = 0;
        if(defaultAddMode)
            message("unknown site: " + from);
    }
    return p;
}

void sitePage::addDatabase(Database* db, const char *keyname)
{
    char buf[100] = "insert sitepages(junk, keyname, site, categorised) values('','",
    addValueSQL(keyname);
    addValueSQL(id, siteId);
    addValueSQL(id, category);
    strcat(buf, "')";
    if(db.execute(buf) != 0) {
        TTRACE("error adding sitekey\n");
        Cstring err = "sql: ";
        err += buf;
        ASSERT(FALSE);
        TRACE();
        message(err);
    }
}

Cursor c(db);
id = 0;
cBindSQL(C_LONG, id, 4);
assertSQL("select id from sitepages where keyname='");
addValueSQL(keyname, FALSE);
c.execute();
if(c.fetchNext() != 0) {
    message("sitekey: " + from);
}
else {
    key = from;
    if(key.GetLength() > 64)
        key = key.Left(64); // truncate to column width
}

sitepage *p = new sitePage();

Cursor c(db);
cBindSQL(C_LONG, id, siteId, 4);
cBindSQL(C_LONG, id, siteId, 4);
assertSQL(keyname, FALSE);
char sql[100] = "select id,site,categorised from sitepages where keyname='";
select SQL(id,site,categorised);
addValueSQL(key, FALSE);
c.execute();
if(c.fetchNext() != 0)
    message("sitekey: " + from);
}
return p;
}

```

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AD.CPP

```

time t li
DWORD totalSpan = endTime - startTime;
if( totalSpan == 0 )
    totalSpan = 1;
DWORD span = time(t) - startTime; if( span == 0 ) span = 1;

sl =
{ (double) nShow / (double) span / totalSpan /
  maxImpressions * 1000};

void Adi(phount)
{
    nShow = 1;
    if( nShow != 0 ) {
        // update sl
        calcsl();
    }
}

Adi(Adi)
{
    dayOfWeek = 0x7f;
    started = FALSE;
    flags = Production | SpreadEvenly;
    si = 1100;
    slcCodee = 0;
    nSICodee = 0;
    frequency = 0;
    imgSeries = FALSE;
    id = 0;
    maxImpressions = 0;
    nShow = 0;
    njuges = 0;
    type = Normal;
    nIterations = 0;
    initTime = 0;
    under = 0;
    maxAmount = 0;
    active = 0;
    approved = 0;
    includePages = 0;
    includesize = 0;
    startTime = 0;
    endTime = 0;
    os = DefaultMask;
    browser = DefaultMask;
    domainType = DefaultMask;
    ip = DefaultMask;
    hourOfDay = DefaultMask;
    nEmployee = DefaultMask;
    salesVolume = DefaultMask;
    gender = DefaultMask;
    seriesCount = 0;
}

string Adi.GetFileName()
{
    if( !imageseries || serviceNet == 1 )
        return fileName;
    char buf[128];
    wprintf(buf, "%s.%s", const char *fileName.left(fileName.getLength() - 4), serviceNet);
    return buf;
}

string Adi.FullName()
{
    if( !imageseries || serviceNet == 1 )
        return gPathRootDir + getFileName();
    if( defined(_ADSVP) )

```

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```

    include "edata.h"
    include "object.h"
    include "/dtkoohkit/db.h"
    include "/dtkoohkit/laf util.h"
    include "/dtkoohkit/dbutil.h"

    /* Implementation for hash tables
    User_UserId_LookupUserByIpWord userId)
    {
        User *u = new User();
        return u;
    }

    User* User_UserId_LookupUserByAddress(Database* db, DWORD ip, BOOL *timedOut)
    {
        User *u = new User();
        delete u; u = 0;

        if (!c->GetNextEntry())
        {
            u->userId = userId;
        }
        else
        {
            delete u;
            u = 0;
        }

        return u;
    }
}

```

```
ddAlloc(but, haCookie, FALSE);
cCreate(but, _J+1);
if(db->doInsert(but) == 1) {
    Cursor c(db);
    c.bindSQL(_C_LONG, user_id, 4);
    strcpy(but, "select max(id) from users where ip='");
    addInValue(but, ip, FALSE);
    c.exec(but);
    c.fetchNext();
    ASSERT(user_id != 0);
}
db->commit();
}
```

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```

    self defined _API
    IAPRequest gric, v, r, from);
    Self defined _API
    GrnRequest gric, v, r, from);
    Selcc,
    HgtnRequest gric, v, r, from);
    sendRequest gric, v, r, from);
    grService();
}

Listener * listener = 0;
int nThread = 0;
int maxThreads = 10;
JINT ListenerThread(void)
{
    static DWORD ed = GetTickCount();
    send(ed, 1);

    while(1) {
        sockaddr_in from;
        Connection * c = listener->waitForConnection(&from);
        if(c) {
            crit c((last));
            crit c((last));
            if( (a < maxThreads) )
                maxThreads = a;
            delete c;
            serviceRequest(c, from);
            if(defined _API)
                nThread++;
            if(nThread == 0) {
                // idle
                qPurge();
            }
        }
    }
}

```

```

    if(defined _PORT)
        buf[0] = 0;
        TRACE((v, "buf"));
    else
        break;
}
return TRUE;
}

endif
if(defined _PORT)
    int port = _PORT;
    base
    int port = 80;
    pend;
    Listener * new Listener(port);
    if(Listener->ok()) {
        if(defined _ASYN)
            errLog.open("c:/lan/error.txt",
                        fiosout | iosapp,
                        filebuf::sh_rend);
        ASSERT(errLog.is_open());
        errLog << ..... ad server started\n";
        errLog.flush();
    }
    else
        ASSERT(FALSE);
}
return TRUE;
}

```

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```

    // TEMP!
    Connection c;
    if(c.connect("www.microsoft.com", 80) ) {
        c.write("GET /ad HTTP/1.0\r\n\r\n", 22);
        while(1) {
            char buf[1024];
            int n = c.read(buf, 255);

```

```

Ad *ad = new AdInfo(ad);
ad->select();
if( ad->id > 0 && ad->keyId != targeting ) {
    delete keyErrorAd;
    keyErrorAd = ad;
}

else {
    AdInfoAd *adInfoAd = 0;
    if( ad->type == AdType::AdTarget && ad->isTargeted() )
        adInfoAd = ad;
    else
        continue;
}

lastAd.commit();

// load sites to include/exclude
for( int i = 0; i < ad->getSites(); i++ ) {
    Ad ad = ad->GetAd(i);
    if( !ad.isTargeted() )
        continue;

    DWORD siteId;
    Cursor c;
    c.bind( SQL_C_LONG, &siteId, sizeof(siteId) );
    c.bind( SQL_C_LONG, &include, sites[included] );
    char sql[512] = "select site_id, include from placement_sites where ad_id='";
    adValueSql = ad->id, FALSE);
    c.execute();
    while( c.fetchNext() ) {
        if( !siteIdEmpty() ) {
            ad->targetSites.insert(siteId, TRUE);
        }
        ad.includeSite = include;
    }
}

int n = 31;
message("Increase AdTargetSites hash size");
n++;

// load site/page categories
for( int i = 0; i < ad->getSites(); i++ ) {
    Ad ad = ad->GetAd(i);
    if( !ad.isTargeted() )
        continue;

    DWORD interestId;
    Cursor c;
    c.bind( SQL_C_LONG, &interestId, sizeof(interestId) );
    char sql[512] = "select interest_id from placement_sites where ad_id='";
    adValueSql = ad->id, FALSE);
    c.execute();
    while( c.fetchNext() ) {
        if( !interestCategory[interestId].empty() ) {
            interestCategory[interestId].insert(interestId);
        }
    }
    ad.siteCategories.insert(interestId, TRUE);
}
n++;

int n = 0;
message("Increase AdSiteCategories hash size");
n++;

// load sites
for( int i = 0; i < ad->getSites(); i++ ) {
    Ad ad = ad->GetAd(i);
    if( !ad.isTargeted() )
        continue;

    DWORD siteId;
    Cursor c;
    c.bind( SQL_C_LONG, &siteId, sizeof(siteId) );
    char sql[512] = "select count(*) from placement_sites where ad_id='";
    adValueSql = ad->id, FALSE);
    c.execute();
    while( c.fetchNext() ) {
        if( n == 0 )
            continue;
        if( n > 100 )
            message("100 sites targeted");
    }
}

```

```

char q[15][1] = "select sicode from placement_ade where ad_id='";
addValueEq("ad_id", FALSE);
sicode = 0;
while (c.fetchNext()) {
    strncpy(sicode, c[1]);
    if (sicode[0] != '0') {
        // to do: count the # of SICs first, and allocate that number
        // rather than 50
        s = new Sicode();
        ad_sicCodes = s;
        s->sicl =
            ad_sicCodes->n + 1;
        ASSERT (lc.fetchNext());
        break;
    }
}
}

// load regional
cursor cr;
cursor cl;
char q[15][1] = "select count(*) from placement_locations where ad_id='";
region = 0;
Ad_id = "ade.GetState()";
if (Ad_id != targeted) {
    continue;
}
int n = 0;
for (cl = bindSQL("C_LONG", &n); !cl.eof(); cl.nextRow()) {
    char adisid[1];
    select count(*) from placement_locations where ad_id=';
    addValueEq("ad_id", FALSE);
    c.bindDate();
    c.bindSQL("C_LONG", adisid, scountry, sizeof(country));
    if (lc.fetchNext()) {
        if (n == 0) {
            continue;
        }
        if (n > 100) {
            message("100 locations targeted");
        }
    }
}

```

```

Cursor cl;
void country()
{
    CString state, tip;
    int areaCode;
    c.bindSQL("C_LONG", &state, scountry, sizeof(country));
    c.bindDate();
    c.bindSQL("C_LONG", areaCode, sareaCode, sizeof(areaCode));
    char q[15][1] = "select country, state, sicode, areacode from placement_locations where ad_id='";
    addValueEq("ad_id", FALSE);
    c.areaEq();
    areaCode = 0;
    while (c.fetchNext()) {
        if (i == 0) {
            i = new Region();
            i->newRegion();
            ad_locations = i;
        }
        i->country = country;
        i->state = state;
        i->sicode = sicode;
        i->areacode = areaCode;
        if (ad_locations->n) {
            ASSERT (lc.fetchNext());
            break;
        }
        i->areaCode = 0;
    }
    i->comitt();
}

```

```

    if (ad.GetSite() == 0 || fortargeting) {
        // db connection down, use some default ad_
        makeDefaultAd(ad);
    }
    ifl.defaultAd = 0;
    TRACE("no default ad\n");
    message("no default ad\n");
}

return ad.GetSite();
}

```

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```

Database lafmain;
void message(const char *);

BOOL defaultAdMode = FALSE;
static int adCount;
static void localTouch(time_t t)
{
    t += adCount;
}

Lafmain AdRecord {
    // This is temporary. Used for non-unique users.
    // Eventually will be smarter about what to send to
    // these users.
    Ad *defaultAd = 0;
    Ad *badkeyerrord = 0;
    Ad *adarray;
    LAFMAIN AdRecord *adarray;
    BOOL loadAdIndex();
    DWORD advertiserID; // 0x11
    BOOL targetting; // 0x10
    BOOL activeOnly; // activated only
    BOOL includeExpired; // include where enddate has past or where all delivered
    BOOL neverExpire;
    DWORD startID = 0;
    BOOL openSQL();
    LAFMAIN open();
    openspool();
    // LAFMAIN open();
    // return FALSE;
    // ift openError();
    // return FALSE;
    // LAFMAIN open();
    // return FALSE;
    // LAFMAIN.open(0, FALSE, FALSE, FALSE, FALSE);
    // .FALSE/. TRUE);
    // return FALSE;
    // Ad ad;
    // ... TODO!! this function is not thread-safe.
    void recycles();
    for (int i = 0; i < adCount; i++) {
        Ad ad;
        ad.id = i;
        ad.size = ad.GetSize();
        bindSQL("C_LONG", ad.id, 4);
        bindSQL("C_LONG", ad.type, sizeof(ad.type));
        bindSQL("C_LONG", ad.browser, sizeof(ad.browser));
        bindSQL("C_LONG", ad.domainType, sizeof(ad.domainType));
        bindSQL("C_LONG", ad.domain, sizeof(ad.domain));
        bindSQL("NAME", ad.jumpURL);
        bindSQL("C_LONG", ad.frequency, sizeof(ad.frequency));
        bindSQL("C_LONG", ad.impressions, sizeof(ad.impressions));
        bindSQL("C_LONG", ad.maxImpression, sizeof(ad.maxImpression));
        bindSQL("C_LONG", ad.maxHour, sizeof(ad.maxHour));
        bindSQL("C_LONG", ad.startTime, sizeof(ad.startTime));
        bindSQL("C_LONG", ad.endTime, sizeof(ad.endTime));
        bindSQL("C_LONG", ad.flags, sizeof(ad.flags));
        bindSQL("C_LONG", ad.hourOfDay, sizeof(ad.hourOfDay));
        bindSQL("C_LONG", ad.daysOfWeek, sizeof(ad.daysOfWeek));
        bindSQL("C_LONG", ad.employee, sizeof(ad.employee));
        bindSQL("C_LONG", ad.levelVolume, sizeof(ad.levelVolume));
        bindSQL("C_LONG", ad.active, sizeof(ad.active));
        bindSQL("C_LONG", ad.lastUpdate, sizeof(ad.lastUpdate));
        bindSQL("C_LONG", ad.manAmount, sizeof(ad.manAmount));
        bindSQL("C_LONG", ad.approved, sizeof(ad.approval));
        bindSQL("C_LONG", ad.numps, sizeof(ad.nump));
    }
}

// note: this isn't getting called yet
void closeSQL();
{
    lafmain.close();
}

// Ad cursor
class AdCursor : public Cursor {
public:
    AdCursor();
    bindSQL("C_LONG", ad.id, 4);
    bindSQL("C_LONG", ad.type, sizeof(ad.type));
    bindSQL("C_LONG", ad.browser, sizeof(ad.browser));
    bindSQL("C_LONG", ad.domainType, sizeof(ad.domainType));
    bindSQL("C_LONG", ad.domain, sizeof(ad.domain));
    bindSQL("NAME", ad.jumpURL);
    bindSQL("C_LONG", ad.frequency, sizeof(ad.frequency));
    bindSQL("C_LONG", ad.impressions, sizeof(ad.impressions));
    bindSQL("C_LONG", ad.maxImpression, sizeof(ad.maxImpression));
    bindSQL("C_LONG", ad.maxHour, sizeof(ad.maxHour));
    bindSQL("C_LONG", ad.startTime, sizeof(ad.startTime));
    bindSQL("C_LONG", ad.endTime, sizeof(ad.endTime));
    bindSQL("C_LONG", ad.flags, sizeof(ad.flags));
    bindSQL("C_LONG", ad.hourOfDay, sizeof(ad.hourOfDay));
    bindSQL("C_LONG", ad.daysOfWeek, sizeof(ad.daysOfWeek));
    bindSQL("C_LONG", ad.employee, sizeof(ad.employee));
    bindSQL("C_LONG", ad.levelVolume, sizeof(ad.levelVolume));
    bindSQL("C_LONG", ad.active, sizeof(ad.active));
    bindSQL("C_LONG", ad.lastUpdate, sizeof(ad.lastUpdate));
    bindSQL("C_LONG", ad.manAmount, sizeof(ad.manAmount));
    bindSQL("C_LONG", ad.approval, sizeof(ad.approval));
    bindSQL("C_LONG", ad.numps, sizeof(ad.nump));
}

// Ad reload (failure)
{
    message("Ad reload (failure)");
}

// note: this isn't getting called yet
void closeSQL();
{
    lafmain.close();
}

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```

```

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static void makeDefaultAdArrays(ads)
{
    ifstream defAd[rci]\lan\default_ad.txt];
    if (defAd.is_open())
    {
        ASSERT(FALSE);
        return;
    }

    message("db connection failed, using default_ad.txt");
    defaultAdMode = TRUE;
}

while (1)
{
    char init[3];
    char jumpTo[2];
    int i;
    defAd >> (n >> jumpTo);
    if (n == 0)
        break;

    Ad ad = 'new Ad';
    defaultAd = &ad;
    time_t now;
    ad.startTime = time(&now) - 60 * 60 * 24 * 15;
    ad.endTime = now - 60 * 60 * 24 * 15;
    ad.fileName = "hi";
    ad.jumpTo = jumpTo;
    ad.addId = addId;
}

bool loadAdArrays(ads)
{
    DWORD advertiserId;
    BOOL retargeting;
    BOOL activeOnly;
    BOOL includeExpired;
    BOOL newestFirst;
    DWORD approveId;
    ads.load(advertiserId, // 0-11
             retargeting, // Is targeting, update Ad.addTargetSite to reflect
             activeOnly, // active only
             includeExpired, // include where enddate has past or where all delivered
             newestFirst, // Order from newest to oldest
             approveId); // exclude ads the specified site has approved
}

// calc time zone adjustment
time_t currentTime();
time_t gmt, local;
tGetLocalTime(loc);
if (local_tm_hour > gmt_tm_hour)
    gmt_tm_hour = 24;
utcOff = (gmt_tm_hour - local_tm_hour) * 60 * 60;

ads.setOffset(utcOff);

DWORD active = 1;
getContigValue("Active", active);
AdvertiserRef
char sql[100];
"select id, type, os, browser, domainType, ip, filename, jumpCount, frequency, length, series, \n
    max_impressions, shown, dateCreated, '1/1/70', start, end, datediff, '1/1/70', end, line1, \n
    flag, hours, ot, day, days, ol, week, employee, sales, active, description, max_amount, po_number, \n
    approved, n_Jumps, [from placement], \n
    bool where = FALSE;

if (includeExpired)
{
    if (active)
        strcat(sql, " where (max_impressions>0 or n_shown>max_impressions) and \n
                (end_time<null or end_time<getDateTime())" );
    else
        strcat(sql, " where = TRUE");
}
else
    strcat(sql, " where = FALSE");
}

```

```

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where = TRUE;
strcat(sql, " where=");
strcat(sql, " active=" );
addValue(sql, active, FALSE);

if (advertiserId)
{
    if (where)
        strcat(sql, " and=" );
    else
        where = TRUE;
    strcat(sql, " where=" );
    strcat(sql, " advertiser=" );
    addValue(sql, advertiserId, FALSE);
}

if (approveId)
{
    if (where)
        strcat(sql, " and=" );
    else
        where = TRUE;
    strcat(sql, " where=" );
    strcat(sql, " advertiser=" );
    addValue(sql, approveId, FALSE);
    strcat(sql, " and ad_id=" );
    addValue(sql, approveId, FALSE);
}

if (newestFirst)
{
    strcat(sql, " order by id desc");
}

re.execSQL();

while (1)
{
    // defaults in case null
    re.ad.lineage = 0;
    if (re.ad.fetchNext())
        break;

    // If for debug, don't load. You can make this test a registry
    // setting if you like so that you can load debug records, or
    // add a cmd line setting.
    if (tri.ad.isProduction())
        continue;

    if (re.ad.isNull(1))
        {
            time_t now;
            re.ad.startTime = time(&now);
            re.ad.endTime = re.ad.startTime + 60 * 60 * 24 * 15;
            loc1.TouchTime(ad.startTime);
            loc1.TouchTime(ad.endTime);
            loc1.TouchTime(ad.endTime);
            loc1.TouchTime(ad.endTime);
        }
    if (re.ad.isNull(2))
    {
        // ad server needs fake times for now...
        if (targeting)
        {
            time_t now;
            re.ad.startTime = now - 60 * 60 * 24 * 15;
            re.ad.endTime = now + 60 * 60 * 24 * 15;
            if (re.ad.startTime < re.ad.endTime)
                re.ad.startTime = re.ad.endTime;
            else
                loc1.TouchTime(ad.startTime);
            loc1.TouchTime(ad.endTime);
        }
    }
}

```

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```

AD.CPP 19-Jan-1996 19:58 Page 3(1)
    ADBookI DWord advertiserID {
        char buffer[4];
        char estimate[10];
        itf(IAdvertiserID);
        ASSERT(0 != advertiserID);
        return FALSE;
    }

    // If this is a barter ad, set max_impressions = to 1
    if (type == Barter)
        maxImpressions = 1;

    strcpy(buf, "insert placement(jumpo,max_impressions,type,g_browser,domainType,isp,frequency,_amount,po_number,gender,active,approved,filename)");
    if (startTime)
        strcat(buf, ",start_time");
    if (endTime)
        strcat(buf, ",end_time");
    strcat(buf, ",values");
    addValue(buf, jumpo);
    addValue(buf, maxImpressions);
    addValue(buf, type);
    addValue(buf, on);
    addValue(buf, browser);
    addValue(buf, domainType);
    addValue(buf, isp);
    addValue(buf, frequency);
    addValue(buf, imagerelief);
    addValue(buf, advertiserID);
    addValue(buf, flag);
    addValue(buf, hourOfDay);
    addValue(buf, dayOfWeek);
    addValue(buf, Employee);
    addValue(buf, salesVolume);
    addValue(buf, advertisementID);
    addValue(buf, maxAmount);
    addValue(buf, asPONumber);
    addValue(buf, gender);
    addValue(buf, active);
    addValue(buf, approved);
    addValue(buf, filename, FALSE);
    addValue(buf, estimate);

    if (startTime)
        strcat(buf, "start_time, ");
    strcat(buf, "1m/1d/1y", gmtImmedStartTime);
    addValue(buf, estimate, FALSE);

    if (endTime)
        strcat(buf, ",end_time, ");
    strcat(buf, "gmtImmedEndTime");
    addValue(buf, estimate, FALSE);

    ASSERT(0 != advertiserID);
    return FALSE;
}

```

```

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    ADBookI DWord adID {
        // Get the ID of the newly added ad
        int adID = 0;
        Cursor c;
        c.bind(SOLC_LONG, adID, 4);
        strcpy(buf, "select max(id) from placements");
        c.exec(buf);
        c.fetchNext();
        lsmain.commit();
    }

    // If this is a barter ad, set max_impressions = to 1
    if (type == Barter)
        maxImpressions = 1;

    return AddPlacementTablest(adID);
}

bool AD::UpdateAd {
    // To update an ad, we delete the existing ad
    // and re-book it.
    if (removeValue != 0) {
        // Determine if the ad is targeted
        double bidAdCost = calculateCostPerAd();
        if (bidAdCost == MAX_AD_COST) {
            flags |= AdTargeted;
        } else {
            flags |= AdNotTargeted;
        }
        char build[10];
        char estimate[10];
        strcpy(buf, "update placements set ");
        if (!updateMaxImpressions || !creditThePlacementSoWeDontWantToOverwriteTheBarterCredits || type != Barter) {
            strcat(buf, "max_impressions=");
            addValue(buf, maxImpressions);
        }
        strcat(buf, ",jumpo=");
        addValue(buf, jumpo);
        addValue(buf, type);
        addValue(buf, on);
        addValue(buf, browser);
        addValue(buf, domainType);
        addValue(buf, isp);
        addValue(buf, frequency);
        addValue(buf, imagerelief);
        addValue(buf, flags);
        addValue(buf, hourOfDay);
        addValue(buf, dayOfWeek);
        addValue(buf, Employee);
        addValue(buf, salesVolume);
        addValue(buf, advertisementID);
        addValue(buf, maxAmount);
        addValue(buf, asPONumber);
        addValue(buf, gender);
        addValue(buf, active);
        addValue(buf, approved);
        addValue(buf, filename);
        addValue(buf, estimate);
        if (startEstime)
    }
}

```

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```

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        ASSERT(0 != bpc)
        bpc = FALSE;
        break;
    }

    ///////////////////////////////////////////////// Now save site page include-exclude list in the placement_sites table
    // pos = targetPage.GetStartPosition();
    pos = targetPage.GetStartPosition();
    Dword dpageID;
    while (pos)
    {
        targetPage.GetNextAssoc( pos, dpageID, blank );
        wprintf( "but, 'insert placement_page[id=%d,page_id=%d,include_values[%d,%d,%d]]',\n",
            adID, dpageID, includePages );
        adID, dpageID, includePages );
        ASSERT(0 != bpc);
        bpc = FALSE;
        break;
    }

    if (latmain.execOK but ) != 11
    {
        ASSERT(0 != bpc);
        bpc = FALSE;
        break;
    }

    latmain.commit();
    return bpc;
}

SOOL AdRemoval SOOL bremovFromPlacement()
{
    char but[1024];
    SOOL bpc = TRUE;
    while (TRUE)
    {
        ASSERT(0 != bpc);
        bpc = FALSE;
        break;
    }

    ///////////////////////////////////////////////// Delete locations from the 'placement_locations' table
    // Delete locations from the 'placement_locations' table
    // but, 'delete placement_locations where ad_id=id', id
    wprintf( "but, 'delete placement_locations where ad_id=%d', %d\n",
        id );
    if (latmain.execError() but ) != 0)
    {
        ASSERT(0 != bpc);
        bpc = FALSE;
        break;
    }

    ///////////////////////////////////////////////// Delete the site page include-exclude list from the placement_sites table
    // but, 'delete placement_sites where ad_id=id', id
    wprintf( "but, 'delete placement_sites where ad_id=%d', %d\n",
        id );
    if (latmain.execError() but ) != 0)
    {
        ASSERT(0 != bpc);
        bpc = FALSE;
        break;
    }

    ///////////////////////////////////////////////// Delete the placement from the placement table
    // but, 'delete placement where id = id', id
    wprintf( "but, 'delete placement where id = %d', %d\n",
        id );
    if (latmain.execError() but ) != 0)
    {
        ASSERT(0 != bpc);
        bpc = FALSE;
        break;
    }

    latmain.commit();
    return bpc;
}

void AdlPreset()
{
    dayOfWeek = 0x1f;
    freq = 'monday' | sunExclusively;
    frequency = 0;
    imgSchedule = FALSE;
    maxImpressions = 0;
    type = 'Normal';
    domainType = 0;
    gender = 0;
    password = 0;
    accountNumber = 0;
    accountNumber = Emply();
    startTime = 0;
    endTime = 0;
    os = DefaultMask;
    browser = DefaultMask;
    domainType = DefaultMask;
    isp = DefaultMask;
    household = DefaultMask;
    employee = DefaultMask;
    advertising = DefaultMask;
    gender = DefaultMask;
    includePages = 0;
    includeSites = 0;
}

```

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```
seriesNext = 0;
delete [] elccodes;
elccodes = 0;
elccodes = NULL;
delete [] locations;
locations = 0;
locations = NULL;
targetPage.Removable();
targetSite.Removable();
eliteCategories.Removable();
interests.Removable();
description.Empty();
filename.Empty();
subject.Empty();
sendit;
```

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